

Amendment for Application No.: 10/664,204
Attorney Docket: CFA00009US

Amendments to the Claims:

Please amend the claims as shown below. This Listing of Claims will replace prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) A method for compiling a color correction table, the method comprising:

- receiving an ~~original-input~~ color value of a color space stored in the color correction table;
- smoothing the ~~original-input~~ color value to provide a first color value;
- in the event that the first color value does not correspond to achromatic color due to the smoothing and the ~~original-input~~ color value corresponding to the first color value is achromatic color, adjusting the first color value to provide a second color value corresponding to the achromatic color;
- comparing a difference between the second color value and the original color value with a limit value; and
- adjusting the second color value in line with an achromatic axis of the color space when the difference is greater than the limit value.

Claims 2-5 (canceled)

6. (previously presented) The method of claim 1, wherein the limit value is set individually for each of achromatic color and other colors.

Claim 7 (canceled)

8. (original): The method of claim 1 further comprising providing a control program and a computer for executing said method for compiling a color correction table.

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9. (original) The method of claim 8 further comprising providing a storage medium for storing said control program.

10. (currently amended) A device for compiling a color correction table having color values in a color space, the device comprising:

a smoothing unit for performing smoothing of an ~~original-input~~ color value of the color space stored in the color correction table to provide a first color value; and

a correction unit for adjusting the first color value into a second color value corresponding to achromatic color; in the event that the input color value corresponds to achromatic color and the first color value does not correspond to achromatic color due to the smoothing, the correction unit comparing a difference between the second color value and the original color value with a limit value, and adjusting the second color value in line with an achromatic axis of the color space when the difference is greater than the limit value.

11. (currently amended) The device of claim 10 further comprising a display screen for displaying value differences before and after smoothing is performed on the ~~first-input~~ color value.

12. (currently amended) A software product embodied on a medium readable by a machine and capable of causing the machine to adjust a color correction table, the software product comprising:

program code for smoothing an ~~original-input~~ color value ~~including an achromatic color value~~ stored in the color correction table to provide a first color value; and

program code for modifying the first color value, in response to the input color value being achromatic and the first color value being chromatic, such that a second color value that is achromatic is generated for storage in the color correction table, the program code for modifying including program code for comparing a difference

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between the second color value and the ~~original~~-input color value with a limit value, and program code for adjusting the second color value in line with an achromatic axis of the color space when the difference is greater than the limit value.

Claims 13-16 (canceled)

17. (previously presented) The software product of claim 12, wherein the limit value is set individually for each of achromatic color and other colors.

Claim 18 (canceled)

19. (previously presented) The software product of claim 12 further comprising program code for controlling the software product on a computer.

20. (previously presented) The software product embodied on a medium readable by a machine of claim 12, wherein the machine comprises a computer.

21. (previously presented) The software product embodied on a medium readable by a machine of claim 12, wherein the machine comprises a photocopier.

22. (previously presented) The software product embodied on a medium readable by a machine of claim 12, wherein the machine comprises a facsimile machine.